HX Production Limited
www.hxproductiongroup.com
Email: sales@hxproductiongroup.com; Skype: HX-Jack
~~ Producer of Plastic Film, Battery, Mobile Tablet, LED Lighting, 3D Material ~~

Material Data Sheet

HX Autotype PET Products

HX Hardcoat Film, is a prefect alternative to UK Macdermid Autotype Hardcoat PET Film. With 1 side Hardcoating layer (2-3H) onto the textured side, it comes with 1 Green PE protection. Our Hardcoat PET film comes with different texture, hairline steel texture, as well as Transparent Clear, Anti-glare and Soft touch feeling.

Series of the products are listed as below:

F-type series F150/F200/F280 (Fine Matte /Gloss Hardcoat)
V-type series V150/V200/V280 (Velvet /Gloss Hardcoat)
HL-type series HL150/HL200/HL280 (Hairline /Gloss Hardcoat)
EBG-type series EBG130/EBG180/EBG250 (Gloss/Gloss Hardcoat)
EBA-type series EBA130/EBA180/EBA250 (Anti-glare/Gloss Hardcoat)
ST-type series ST150/ST200/ST250 (Soft-touch/Gloss Hardcoat)

HX Hardcoat PET film is a good material for nameplate, overlay, membrane switches which requires stronger anti-scratches surface, e.g medical appliance, oil station panel, etc. Our PET film can be IMD to produce various kinds of products, e.g. Back cover for mobile phone and PDA display.

TYPICAL PROPERTY VALUE

Property	Standard Test	Unit	Results		
PHYSICAL			**HL Hairline**	**EBA Anti-glare**	**ST Softtouch**
Thickness	In-house	mm	0.15, 0.2, 0.28mm. Other thickness on rqt		
Light Transmittion	ASTM - D 1003-61	% (min)	90.1-95.6	92	92
Haze	ASTM - D 1003-61	% (max)	59.5-62.5	50	2.5
Hardness			2H-3H		
MECHANICAL					
Tensile Strength at Break	ASTM -D 638/882	kg/mm^2	18	18	18
Tensile Elongation at Break	ASTM -D 638/882	%	70	70	70
Friction Coefficient	ASTM -D1894	Static	0.5	0.5	0.5
THERMAL					
Std. Temperature Resistance	ASTM - D 1525-76	^oC	> 105	> 105	> 105
Shrinkage at 130dec/30min	ASTM - D 1204	% (min)	0.3-1.5	0.3-1.5	0.3-1.5